

CLAIMS

What is claimed,

1. A coating material for recycling containing a thermoplastic resin having compatibility with a thermoplastic resin of a thermoplastic resin mold on which said coating material is applied, and a non-yellowing type cellulose derivative as vehicles wherein said thermoplastic resin mold on which said coating material is applied can be recycled without removing coating film of said coating material
2. A coating material of Claim 1, wherein said non-yellowing type cellulose derivative is selected from methyl cellulose, ethyl cellulose, hydroxy cellulose, hydroxypropyl methyl cellulose, hydroxyethyl methyl cellulose, cellulose acetate, acetyl cellulose, benzyl cellulose, cellulose, cellulose acetate butyrate, and cellulose acetate propionate
3. A coating material of Claim 2, wherein the viscosity of said cellulose acetate butyrate is in the range of 0.1 sec. to 0.55 sec.
4. A coating material of Claim 2 or 3, wherein acetyl group content of said cellulose acetate butyrate is in the range of 0 to 15.0% by weight
5. A coating material of Claims 2 and 3, wherein butyryl group content of said cellulose acetate butyrate is in the range of 30.0 to 55.0 % by weight
6. A coating material of Claim 2, wherein propionyl group content of said cellulose acetate propionate is in the range of 40 to 50 % by weight and hydroxyl group content is in the range of 1 to 5 % by weight
7. A coating material of Claim 2, wherein said cellulose acetate is cellulose diacetate and acetylation degree is in the range of 50 to 60 % by weight
8. A coating material of Claim 2, wherein ethoxy group content of said ethyl cellulose is in the range of 45 to 50 % by weight
9. A coating material of Claim 2, wherein methoxy group content of said methyl cellulose is in the range of 19 to 31.5 % by weight
10. A coating material of Claim 2, wherein hydroxy propyl group content of said hydroxy propyl methyl cellulose is in the range of 4 to 12 % by weight
11. A coating material of Claim 2, wherein hydroxy ethoxy group content of said hydroxy ethyl methyl cellulose is in the range of 4 to 12 % by weight
12. A coating material of Claims 1 to 11, wherein said coating material is ink or paint
13. A thermoplastic resin mold on the surface of which any of said coating material of Claims 1 to 12 is applied
14. A thermoplastic resin mold of Claim 13, wherein attachment(s) made of a

thermoplastic resin having compatibility with a thermoplastic resin composing said thermoplastic resin mold is (are) attached to said thermoplastic resin mold by an adhesive or welding rod, said adhesive or welding rod being made of a thermoplastic resin having compatibility with said thermoplastic resin composing said thermoplastic resin mold

15. A thermoplastic resin mold of Claim 14, wherein any of said coating materials of Claims 1 to 12 is applied on said attachment
16. A thermoplastic resin mold of Claims 13 to 15, wherein a rubber like material having compatibility with a thermoplastic resin composing said thermoplastic resin mold is added to said thermoplastic resin composing said thermoplastic resin mold as a recycle aid agent
17. A thermoplastic resin mold of Claims 14 to 16, wherein a rubber like material having compatibility with each thermoplastic resin composing both said thermoplastic resin mold and said attachment is added to each thermoplastic resin as a recycle aid agent